| Ir | าdex | of | Clair | ns |  |
|----|------|----|-------|----|--|
|    |      |    |       |    |  |

| Application/Control | No. |  |
|---------------------|-----|--|
|                     |     |  |

Applicant(s)/Patent under Reexamination

10/089,025

HOOLEY ET AL.

Examiner

Jason R. Kurr

2615

| <b>~</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla          | im       | Г       |          |        |          | Date     |                  |              |  |  |   | Cla          | im       | Г                 |           |          |          | Date   |  |    |
|--------------|----------|---------|----------|--------|----------|----------|------------------|--------------|--|--|---|--------------|----------|-------------------|-----------|----------|----------|--|--|----|
|              |          | Г       | T        |        |          |          |                  |              |  | П                                      |   | 1            |          | Г                 | Τ         | T        | $\Box$   | ĺ  |  | Г  |
| Final        | Original | 5/21/07 |          |        |          |          |                  |              |  |  |   | Final        | Original | 5/21/07           |           |          |          |  |  |    |
|              | 1        | -       |          |        |          |          |                  |              |  |  |   |              | 51       | -                 |           |          |          |  |  |    |
|              | 2        | 1       |          | П      |          |          |                  |              |  |  |   |              | 52       | 1                 |           |          |          |  |  | Γ  |
|              | 3        | П       | Т        |        |          |          |                  |              |  |  |   |              | 53       | П                 | T         | Π        |          | Π  |  | Г  |
|              | 4        | П       | Т        | T      |          |          |                  |              |  |  |   |              | 54       | П                 | 1         | П        |          | Γ  |  | Γ  |
|              | 5        | П       | 1        |        |          |          |                  |              |  |  |   |              | 55       | П                 |           | Г        | Г        | Γ  | Γ  | Γ  |
|              | 6        | П       |          |        |          |          |                  |              |  |  |   |              | 56       | П                 |           |          | Π        |  |  | Γ  |
|              | 7        | П       | $\top$   | 1      |          | П        |                  |              |  |  |   |              | 57       | П                 |           |          |          |  |  | Γ  |
|              | 8        | П       | $\top$   | 1      |          | Г        |                  |              |  |  |   |              | 58       | 17                |           | T        | Γ        | Γ  |  | Γ  |
|              | 9        | П       | 1        | T      | $\vdash$ | Г        |                  |              |  | $\vdash$                               |   |              | 59       | 1                 | 1         | T        |          | $\vdash$   |  | T  |
|              | 10       | П       | ╅        | $\top$ |          | T        | $\vdash$         |              | Т  | $\vdash$                               |   |              | 60       | 1                 | 1         | Т        | ऻ        | Г  |  | T  |
|              | 11       | H       | T        | T      |          | T        | _                |              |  |  | - |              | 61       | $\dagger \dagger$ | 1         | $\vdash$ | $\vdash$ | ┰  | <del>                                     </del> | T  |
|              | 12       | Ħ       | $\top$   | $\top$ | ļ.       | 1        |                  |              | <u> </u>   | Т                                      |   |              | 62       | Ħ                 | $\dagger$ | T        | $\vdash$ | Ι  |  | T  |
|              | 13       | Ħ       | +        | T      | T        |          | $\vdash$         | <u> </u>     | <del>                                     </del> |  |   | <b></b>      | 63       | Ħ                 | $\top$    | Т        |          | T  | T  | T  |
|              | 14       | Ħ       | $\top$   | T      | t        | 1        | Т                | <u> </u>     | Т  |  |   |              | 64       | $\dagger \dagger$ | T         | $\vdash$ | <u> </u> | ╁  | T  | t  |
|              | 15       | Ħ       | 1        | T      | T        | Г        | T                | T            | T  |  |   |              | 65       | tt                | 1         | 1        |          | 1  | T  | T  |
|              | 16       | H       | +        | t      | t        | T        | $\vdash$         |              | $\vdash$   |  |   |              | 66       | H                 | +-        | -        | <u> </u> | <del>                                     </del> | ┰  | t  |
|              | 17       | H       | ╈        | T      | H        | $\vdash$ | $\vdash$         | Г            | $\vdash$   |  |   |              | 67       | Ħ                 | $\top$    | $t^-$    | ✝        | ┰  | ┪  | f  |
|              | 18       | H       | +        | +      | t        | ┢        | ┪                | $\vdash$     |  | ┢                                      |   |              | 68       | Н                 | +         | $\vdash$ | H        | $\vdash$   | ┢─   | ┢  |
| <b></b>      | 19       | H       | +        | ╁      | $\vdash$ | $\vdash$ |                  | $\vdash$     | $\vdash$   | $\vdash$                               |   | _            | 69       | Н                 | +         | -        | -        | ├  | ┢┈   | t  |
|              | 20       | H       | +-       | +      |          | ┝        | ╁                |              | ╁  |  | ł | <u> </u>     | 70       | Н                 | +         | $\vdash$ | $\vdash$ | $\vdash$   | ⊢  | H  |
| -            | 21       | H       | +        | ╁      | ╁        | ╁        | $\vdash$         | $\vdash$     | ┢  | ├                                      |   | $\vdash$     | 71       | Н                 | ╁         | ╁┈       | ├        | ┼─   | ├  | ╁  |
|              | 22       | Н       | +        | ╁      | ╁        | ╁        |                  | <del> </del> | <del> </del>                                     | ├─                                     | ł | -            | 72       | Н                 | +         | +        | $\vdash$ | $\vdash$   | ⊢  | ╁  |
| <u> </u>     | 23       | Н       | ╁        | ╁      | ╁        | ┝        | ┢                | $\vdash$     | ├  | ⊢                                      | ł | <u> </u>     | 73       | Н                 | +         | ╁        | ├        | ╁  | ⊢  | ╁  |
| <u> </u>     | 24       | H       | ╁        | ╁      | $\vdash$ | -        | -                | $\vdash$     | -  |  | ł |              | 74       | Н                 | +         | +        | ┢        | -  | ┢  | ╀  |
| -            | 25       | ₩       | +        | ╁      | ┼        | -        | -                | -            | -  |  | ł | _            | 75       | Н                 | +         | ╁        | ┥        |  | ├  | ╁╴ |
| $\vdash$     | 26       | ╫       | +-       | ╫      | ╁        | -        |                  | -            |  | <del> </del>                           | ł |              | 76       | Н                 | +         | ╁        | $\vdash$ | -  | ⊢  | ╀  |
| <u> </u>     | 27       | ₩       | - -      | ╁      | ╁        |          |                  |              |  |  | ł | <b></b>      | 77       | Н                 | +         | $\vdash$ | -        | -  | ⊢  | ╀  |
| -            | 28       | H       | +        | ╁      | ╁        | -        | ⊢                | -            | $\vdash$   |  | l |              | 78       | Н                 | +         | ╁        | ┼        | -  | ├  | ╀  |
| -            | 29       | Н       | +        | +-     | ╁        | -        | ├                |              | ├-   |  |   | ļ            | 79       | Н                 | ╫         | $\vdash$ | ⊢        | $\vdash$   | ⊢  | ╀  |
| -            | 30       | Н       | +        | ╫      | ╁        | -        | $\vdash$         | ├            | ⊢  | ⊢                                      | 1 | _            | 80       | Н                 | +-        | ╁        | ╁        | -  | ├  | ┝  |
| -            | 31       | Н       | $\vdash$ | +      | $\vdash$ | ⊢        | ├                | ├            | ⊢  | $\vdash$                               | 1 | -            | 81       | Н                 | +         | $\vdash$ | ⊢        | -  | ├  | ╀  |
|              | 32       | Н       | H        | ╁      | +-       | -        | ┝                | ⊢            | ┈  | ⊢                                      | 1 |              | 82       | Н                 | +         | ╁        | $\vdash$ | 1  | ├  | ╁  |
| -            | 33       | Н       | ₩        | +-     | ╁        | ┢        | ┢                | -            | -  | -                                      | 1 |              | 83       | Н                 |           | ┾        | ╁┈       | -  | -  | ╁  |
| -            | 34       | H       | +        | +      | +        | $\vdash$ | $\vdash$         | $\vdash$     | ⊢  | $\vdash$                               | ł | <u> </u>     | 84       | Н                 | +-        | ┼        | -        | +-   | ├─   | ╁  |
| $\vdash$     | 35       | H       | +        | ╁╴     | +        | ┰        | ├                | ├            | ₩  | $\vdash$                               | ł | <u> </u>     | 85       | Н                 | ╁         | ╁        | $\vdash$ | -  | ├  | ╁  |
| -            | 36       | Н       | +-       | +      | ╁        | ├        | <del> </del>     |              | <del> </del>                                     | $\vdash$                               | ł | <del> </del> | 86       | Н                 | +-        | ╁        | ╁        | ╁  | ├  | ╁  |
| -            | 37       | Н       | +        | +      | ╁        | $\vdash$ | $\vdash$         | $\vdash$     | ₩  | $\vdash$                               | 1 | <u> </u>     | 87       | H                 |           | ┼        | ┼        | <del> </del>                                     | -  | +  |
| $\vdash$     | 38       | Н       | +        | +      | ╁        | $\vdash$ | $\vdash$         | -            | ₩  | $\vdash$                               | ł | <u> </u>     | 88       | H                 | ╁         | ╁        | $\vdash$ | +  | <del> </del>                                     | +  |
| -            | 39       | Н       | +        | ╁      | +-       | ╌        | $\vdash$         | -            | ├  | ⊢                                      | 1 | <del> </del> | 89       | H                 | +-        | +        | ┼        | -  | -  | +  |
|              | _        | H       | +        | ╁      | +-       | ┼        | ├                | $\vdash$     | ├-   | ├                                      | ł |              |          | H                 | +         | ╁        | -        | $\vdash$   | $\vdash$   | +  |
|              | 40       | ╁       | +-       | +-     | -        | ┼        | <del> </del>     | <del> </del> | -  | <del> </del>                           | ł | <del></del>  | 90       | H                 | +         | $\vdash$ | $\vdash$ | +  | $\vdash$   | ╁  |
| -            | 42       | H       | +-       | +-     | +-       | ⊢        | ⊢                | -            | ┢  | <del> </del> —                         | 1 | $\vdash$     | 92       | Н                 | -         | ┼        |          | ┼—   | <del> </del>                                     | +  |
| -            | 42       | ╢       | -        | +-     | ╁        | ┼        | ├                | -            | <del>  -  </del>                                 | -                                      | 1 | <del></del>  | 93       | H                 | +         | +        | $\vdash$ | $\vdash$   | $\vdash$   | ╁  |
| <del> </del> | 44       | H       | +        | +      | +        | $\vdash$ | ⊢                | $\vdash$     | ⊢  | $\vdash$                               | 1 | <u> </u>     | 94       | ╢                 |           | ╁        | $\vdash$ | $\vdash$   | $\vdash$   | +  |
|              | 45       | ╢       | +        | +      | ╁        | ┼        | -                | -            | ├  | ├-                                     | ł |              | 95       | Н                 | +         | +        | $\vdash$ | $\vdash$   | $\vdash$   | ╁  |
| -            | 46       | ╢       | +-       |        | +        | ┿        | <del>  -  </del> | -            | <del> </del>                                     | <del> </del>                           | 1 |              | 96       | Н                 | +         | +        | $\vdash$ | $\vdash$   | $\vdash$   | t  |
| $\vdash$     | 47       | H       | +        | +      | +        | $\vdash$ | $\vdash$         | ⊢            | $\vdash$   | $\vdash$                               |   | <u> </u>     | 97       | ╢                 | +         | +-       | +        | 1  | $\vdash$   | t  |
| $\vdash$     | 48       | H       | ╁        | +-     | +        | ╁        | $\vdash$         | ├            | -  |  |   |              | 98       | H                 | +         | +        | $\vdash$ | ╁  | ⊢  | ╁  |
| $\vdash$     | 49       | H       | +        | +      | ╁        | ╌        | $\vdash$         | $\vdash$     | -  | <del> </del>                           |   |              | 99       | H                 | +         | $\vdash$ | $\vdash$ | +  | $\vdash$   | t  |
| -            | 50       | -       | +-       | +      | ╁        | +-       | <del> </del>     | $\vdash$     | +  | $\vdash$                               | 1 | $\vdash$     | 100      |                   | +         | +        | $\vdash$ | +-   | <del>                                     </del> | t  |
|              | , 50     |         |          |        | 1        |          | 1                |              | 1  | ــــــــــــــــــــــــــــــــــــــ | ı | L            | 1.00     | 1_                | <u> </u>  | 1        | Ц.       | <u>—</u>   | Ь  | L  |

| Cla          | im       |              |              |  | Г            | ate  |              |          |             |          |
|--------------|----------|--------------|--------------|--|--------------|--|--------------|----------|-------------|----------|
|              |          |              |              |  | ヿ゙           | Ť  |              |          |             |          |
| Final        | Original | 5/21/07      |              |  |              |  |              |          |             |          |
|              | 51       | _            |              | $\Box$   | $\exists$    | $\exists$  |              |          |             |          |
|              | 52       | 1            |              |  |              |  |              |          | -           |          |
| $\vdash$     | 52<br>53 | 1            |              |  |              |  |              | -        |             |          |
| $\vdash$     | 54       | Ť            |              | $\neg$   |              | $\vdash$   | _            | _        | _           |          |
| $\vdash$     | 55       | +            | _            |  | $\vdash$     |  | -            |          |             |          |
| $\vdash$     | 56       | +            | _            | -  | -            | -  |              | -        | -           |          |
| -            | 57       | +            |              |  |              |  |              |          | $\vdash$    |          |
|              | 58       | ╀            | _            | $\dashv$   | _            |  | -            | _        | -           | —        |
| $\vdash$     | 59       | +            | _            | _  |              |  | -            | -        |             |          |
| $\vdash$     | 29       | ╄            | _            | -  | _            | _  |              |          |             |          |
| $\vdash$     | 60       | ₽            | _            | $\vdash$   | _            |  | _            |          |             |          |
| $\vdash$     | 61       | $\vdash$     |              | Н  | _            |  | _            |          |             |          |
|              | 62       | -            | Н            | Н  |              |  | Щ            | $\vdash$ |             |          |
| $\perp$      | 63       | $\perp$      | <u> </u>     | <b> </b>   |              |  | Щ            |          |             |          |
| -            | 64       | 1_           |              |  |              | _  |              |          |             |          |
|              | 65       | 1            |              |  |              |  | Щ            |          |             |          |
|              | 66<br>67 | $\perp$      |              |  |              |  |              |          |             |          |
|              | 67       | ┸            | Ш            |  |              |  |              |          |             |          |
|              | 68       | $\perp$      |              |  |              |  |              |          |             |          |
|              | 69       |              |              |  |              |  |              |          |             |          |
|              | 70       |              |              |  |              |  |              |          |             |          |
|              | 71       | Т            | Γ            |  |              |  |              |          |             |          |
|              | 72       |              |              |  |              |  |              |          |             |          |
|              | 72<br>73 | П            | Г            |  |              |  |              |          |             |          |
|              | 74       | П            |              |  |              |  |              |          |             |          |
|              | 75<br>76 | П            | Г            |  |              |  |              |          |             |          |
|              | 76       | $\sqcap$     |              |  |              |  |              |          |             |          |
|              | 77       | 7            |              |  |              |  |              |          |             |          |
|              | 78<br>79 | Π            |              |  |              |  |              |          |             |          |
|              | 79       | $\mathbf{T}$ |              |  |              |  |              |          |             |          |
|              | 80       | Π.           | Γ            |  |              |  |              |          |             |          |
|              | 81       | П            |              |  |              |  |              |          | _           | Г        |
|              | 82       | $\sqcap$     |              |  |              | Г  | Г            | П        |             |          |
|              | 83       | $\vdash$     |              |  |              | <del>                                     </del> |              | Т        |             | Т        |
|              | 84       | $\vdash$     | _            | <del>                                     </del> | <del> </del> | $\vdash$   | $\vdash$     | $\vdash$ | _           |          |
|              | 85       | +            | $\vdash$     |  | H            | <del>                                     </del> | $\vdash$     | _        | _           |          |
| -            | 86       | H            | ┢            | $\vdash$   | H            | $\vdash$   | <b></b>      |          | -           |          |
| $\vdash$     | 87       | +            |              |  |              |  | -            | H        |             | Н        |
| $\vdash$     | 88       | +            | $\vdash$     | $\vdash$   | <u> </u>     |  | ┢            | -        | <del></del> | $\vdash$ |
| $\vdash$     | 89       | +            | <del> </del> | -  |              |  | $\vdash$     | Н        | $\vdash$    | $\vdash$ |
|              | 90       | H            | $\vdash$     | Н  | $\vdash$     | $\vdash$   | $\vdash$     | Н        | $\vdash$    | $\vdash$ |
| -            | 91       | H            | $\vdash$     | Н  | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$    | $\vdash$ |
| -            | 92       | +            |              |  |              | -  | -            | -        | $\vdash$    | $\vdash$ |
| <b> </b>     | 93       | +            | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$    | $\vdash$ |
| <del> </del> | 94       | +            |              | $\vdash$   | -            | $\vdash$   | $\vdash$     | -        | $\vdash$    | $\vdash$ |
|              | 95       | H            |              | $\vdash$   | $\vdash$     | $\vdash$   |              | $\vdash$ | $\vdash$    | $\vdash$ |
|              | 96       | +            | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$    | $\vdash$ |
| <u> </u>     | 97       | - -          | -            | <del> </del>                                     |              | -  | -            | $\vdash$ | $\vdash$    | $\vdash$ |
|              | 98       | H            | 1            | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$    | $\vdash$ |
|              | 99       | +            | 1            | $\vdash$   | $\vdash$     | <del> </del>                                     | <del>-</del> | -        |             | -        |
|              | 100      | _            | $\vdash$     | $\vdash$   | $\vdash$     | -  | _            | -        | _           | -        |
|              |          |              |              |  |              |  |              |          |             |          |

| Cla          | aim  | Date      |              |              |                |                    |            |  |  |                |  |  |  |  |
|--------------|--|-----------|--------------|--------------|----------------|--------------------|------------|--|--|----------------|--|--|--|--|
| Final        | Original   | 5/21/07   |              |              |                |                    |            |  |  | - 0            |  |  |  |  |
|              | 101  | _         |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 102  | 1         |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 102<br>103   | Π         |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 104  | П         |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 105  | П         |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 106  |           |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 105<br>106<br>107  | $\prod$   |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 108<br>109<br>110  | $\prod$   |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 109  | Ш         |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 110  |           |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 111  | Ш         |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 111<br>112<br>113<br>114<br>115  | Ш         |              |              |                | L                  | _          | 匚                                      |  | Ш              |  |  |  |  |
|              | 113  | $\coprod$ |              |              | L              |                    | <u> </u>   | <u> </u>                               | <u> </u>                               |                |  |  |  |  |
|              | 114  | Ш         | _            | _            | <u> </u>       | _                  | <u> </u>   |  | L_                                     |                |  |  |  |  |
|              | 115  | Ш         |              | L            | L              |                    |            | <u> </u>                               |  |                |  |  |  |  |
|              | 116<br>117   | Ш         |              | L            | L              | $oxedsymbol{oxed}$ |            | _                                      |  | Ш              |  |  |  |  |
|              | 117  | Ц         | L            |              |                | L                  |            | L                                      |  |                |  |  |  |  |
|              | 118  |           |              |              |                |                    |            | <u> </u>                               |  |                |  |  |  |  |
|              | 119  | П         |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 120  |           |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 121  |           |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 122  |           |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 123  | L         |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 124  | П         |              |              | L              | L                  | L          |  |  |                |  |  |  |  |
| L            | 125  | Ц         | <u> </u>     |              | _              | _                  | _          | <u> </u>                               |  | Ш              |  |  |  |  |
|              | 126  |           |              |              |                |                    |            |  |  |                |  |  |  |  |
|              | 118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131 | Ц         | L            |              | L              | _                  | _          |  | <u> </u>                               |                |  |  |  |  |
|              | 128  | Ц         |              | L            |                |                    | L          | _                                      |  |                |  |  |  |  |
|              | 129  | Ц         |              | _            |                |                    | _          | _                                      | L                                      |                |  |  |  |  |
|              | 130  | Ш         | lacksquare   | <u> </u>     |                | _                  | _          |  |  | Ш              |  |  |  |  |
|              | 131  | Ц         | <u>L</u>     | <u> </u>     | _              | _                  |            | ļ                                      | ļ                                      | Ш              |  |  |  |  |
|              | 132  | Ц         | 匚            | ļ            | _              |                    | <u> </u>   | <u> </u>                               | _                                      |                |  |  |  |  |
|              | 133  | Щ         | <u> </u>     | _            |                |                    | _          |  |  | Ш              |  |  |  |  |
|              | 133<br>134<br>135  | 11_       | <u> </u>     | <u> </u>     | <u> </u>       | <u> </u>           | <b>!</b> — | 1_                                     | <u> </u>                               | Ш              |  |  |  |  |
|              | 135  | 11        | <u> </u>     | ļ            | _              | _                  | _          | <u> </u>                               | _                                      | Ш              |  |  |  |  |
| <u> </u>     | 136<br>137   | ₩         | <u> </u>     | ऻ_           | <u> </u>       | <del> </del>       | <u> </u>   | ├                                      | <u> </u>                               | $\vdash$       |  |  |  |  |
|              | 137  | ₩         | _            | ├            | _              | ┡                  | ┡          | ₩                                      | <u> </u>                               | -              |  |  |  |  |
|              | 138  | Н.        | <u> </u>     | ├            | _              | <u> </u>           | -          |  | <u> </u>                               | -              |  |  |  |  |
| ļ            | 138<br>139<br>140  | #         |              | ├            | <del>  -</del> |                    | ₩          | $\vdash$                               | -                                      | Н              |  |  |  |  |
|              | 140  | #-        | -            | ├            | -              | ⊢                  | ₩          | $\vdash$                               | $\vdash$                               | Н              |  |  |  |  |
| $\vdash$     | 141  | #         | <del> </del> | $\vdash$     | <del> </del>   | ⊢                  |            | <del> </del> —                         | <del> </del>                           |                |  |  |  |  |
|              | 142<br>143   | ╁         | <del> </del> | <del> </del> | -              | ├                  | $\vdash$   | 1                                      | $\vdash$                               | Н              |  |  |  |  |
| <del> </del> | 144  | ╁╂╴       | $\vdash$     | $\vdash$     | -              |                    |            |  | <del> </del>                           | $\vdash\vdash$ |  |  |  |  |
| <u> </u>     | 144  | 11        | -            | ├            | <del> </del>   | -                  |            | ├                                      | $\vdash$                               | H              |  |  |  |  |
|              | 146  | ₩         | -            | <del> </del> | -              | $\vdash$           | H          | -                                      | $\vdash$                               | Н              |  |  |  |  |
|              | 147  | #         |              | ┼—           |                | -                  | -          | $\vdash$                               |  | H              |  |  |  |  |
|              | 147  | ₩         | $\vdash$     | $\vdash$     | $\vdash$       | $\vdash$           | -          | $\vdash$                               | $\vdash$                               | $\vdash$       |  |  |  |  |
| · ·          | 149  | +}        | $\vdash$     | $\vdash$     | 1              | $\vdash$           |            | <del> </del>                           |  | $\vdash$       |  |  |  |  |
| <b>-</b>     | 150  | +         |              | $\vdash$     | $\vdash$       | -                  |            | <del> </del>                           | $\vdash$                               | Н              |  |  |  |  |
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| Index  | of  | Claims   | (contin                                 | uedi |
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Application/Control No.

10/089,025

Examiner

Jason R. Kurr

HOOLEY ET AL. Art Unit

Reexamination

Applicant(s)/Patent under

2615

| <b>√</b> | Rejected |
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| 1        | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

| Cla      | aim        |                  |          |  |              | Date   |          |  |  |          |     | Cla      | im         |           |  |          |  | Date           | ——<br>∂  |   |
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| Final    | Original   | 5/21/07          |          |  |              |  |          |  |  |          |     | Final    | Original   | 5/21/07   |  |          |  |                |          |   |
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| ├—       | 151        | <u> </u>         | -        | -  | ├            |  | _        |  |  |          |     |          | 201        | -         | ⊢  | ⊢        | _  | -              | -        | ŀ |
| -        | 152<br>153 | 1                | _        |  | _            | _  |          | _  | _  | -        |     |          | 202<br>203 | H         | ⊢  | ŀ-       | ┝  | <del> </del>   | -        | ⊦ |
| -        | 154        | H                | H        | _  | H            | $\vdash$   | _        |  | -  |          |     |          | 203        | H         | ┢  | ⊢        | ⊢  | ⊢              | -        | ⊦ |
|          | 155        | ╟                | -        | ├─   | _            | ├  | _        | $\vdash$   | -  | -        |     |          | 205        | ╁         | ├-   | ┢        |  |                | -        | ŀ |
| $\vdash$ | 156        | H                | -        | -  | $\vdash$     | -  | <u> </u> | -  | -  | -        |     |          | 206        | H         | ┢  | ╁        | ┝  | $\vdash$       | -        | H |
| $\vdash$ | 157        | H                | $\vdash$ | _  | $\vdash$     | H  | $\vdash$ |  | $\vdash$   | $\vdash$ |     |          | 207        | ╁         | ╁  | $\vdash$ | $\vdash$   | $\vdash$       | $\vdash$ | t |
| -        | 158        | #-               | ┢        |  | -            | <del>                                     </del> | _        |  | Н  | $\vdash$ |     |          | 208        | ╁         | 1  |          | <del>                                     </del> |                |          | t |
|          | 159        | Н                | -        |  | -            | -  |          | ┢  | <del>                                     </del> |          | 1 1 |          | 209        | H         | ✝  | $\vdash$ | ╀  | -              | -        | t |
|          | 160        | <del>    -</del> | $\vdash$ | -  | -            |  |          | <del>                                     </del> | $\vdash$   | $\vdash$ | 1   |          | 210        | 1         | <del>                                     </del> | ┢        | $\vdash$   | <u> </u>       |          | t |
|          | 161        | H                | H        |  | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$   | ┢  | -        | 1   |          | 211        | H         | T  | T        | $\vdash$   |                | 一        | t |
|          | 162        | H                | ┰        |  | _            |  |          |  | $\vdash$   |          |     |          | 212        | 1         | $\vdash$   |          |  |                | Г        | t |
|          | 163        | $\dagger$        | 1        | <u> </u>   | $\vdash$     | $\vdash$   | $\Box$   | $\vdash$   | _  | Т        | 1   |          | 213        | $\dagger$ | Τ  | 1        |  | 1              |          | t |
|          | 164        | H                |          | Г  | Г            |  |          |  |  | <u> </u> | 1   |          | 214        | T         | Г  |          |  |                | Г        | T |
| <u> </u> | 165        | 1                | $\vdash$ | _  |              |  | -        |  |  |          |     |          | 215        | T         | T  |          |  | 1              | Г        | t |
|          | 166        | H                | ┪        |  | Г            | $\vdash$   |          |  |  |          | 1   |          | 216        | 1         | 1  |          |  | Г              | Г        | t |
| -        | 167        |                  |          |  |              |  |          | 1  |  |          | 1   |          | 217        | Ħ         | T  | $\top$   |  |                | Г        | t |
|          | 168        | T                | Г        | Τ  | Г            | Г  |          | T  |  |          | 1   |          | 218        | 1         |  |          |  |                |          | T |
|          | 169        | 17               |          |  |              |  |          |  |  |          | 1   |          | 219        | T         |  |          | П  |                | Г        | T |
|          | 170        | П                |          |  | Γ            |  |          |  |  | Г        | 1   |          | 220        | П         |  | Π        |  |                |          | Γ |
|          | 171        |                  |          |  |              |  |          |  |  |          | ]   |          | 221        | $\prod$   |  |          |  |                |          | Γ |
|          | 172        |                  |          |  |              |  |          |  |  |          | ]   |          | 222        | Π         | Π  | Π        |  |                | Г        | Γ |
|          | 173        | 1                |          |  |              |  |          |  |  |          | ]   |          | 223        | _         |  |          |  |                |          | Ι |
|          | 174        |                  |          |  |              |  |          |  |  |          | ]   |          | 224        | 1         |  |          |  |                |          | I |
|          | 175        | 1                |          |  | Ĺ            |  |          |  |  | <u></u>  | ]   |          | 225        | 1         |  | L        | <u> </u>   | _              |          | l |
|          | 176        | Ш                | _        | L  |              | L  | L        |  |  | L        | ]   |          | 226        | 1         | <u> </u>   |          | $oxed{oxed}$                                     |                | _        | ļ |
| <u></u>  | 177        | Щ                | <u> </u> | <u> </u>   | <u> </u>     | _  | 匚        | 匚  | <u> </u>   | _        |     |          | 227        | V         | ↓_   | <u> </u> | _  | <u> </u>       | _        | ļ |
| L        | 178        | Щ                | <u> </u> | L  | <u> </u>     | ļ  | _        | L  | _  | <u> </u> | 1   |          | 228        | V         | ـ  | _        | <u> </u>   | ┞              | <u> </u> | ╀ |
|          | 179        | II_              | <u> </u> | <u> </u>   | _            | <u> </u>   | <u> </u> | <u> </u>   | _  | _        | 1   | <u> </u> | 229        | 1         | _  | ┞        | <u> </u>   | _              | <u> </u> | ļ |
|          | 180        | 1                | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>   | _        | <u> </u>   | <u> </u>   | _        |     | <u> </u> | 230        | 1         | -  |          | ┡  | ┡              | <u> </u> | ╀ |
|          | 181        | <b>!</b>         | <b>!</b> | <u> </u>   | <del> </del> | ┡  | <u> </u> | _  | <u> </u>   | ļ        | -   |          | 231        | 1         | ╄  | ├        | <del> </del>                                     |                | <u> </u> | + |
| -        | 182        | #                | ┡        | Ŀ.   | -            | -  | <u> </u> | <u> </u>   | <u> </u>   | <u> </u> | -   |          | 232        | 1         | -  | ┼        | <del> </del>                                     | -              | ₩        | Ŧ |
| <b></b>  | 183        | ╨                |          | -  | Ŀ            | -  |          | -  | _  | <u> </u> | 1   |          | 233        | 1         | -  | ₩        | ⊢  | <u> </u>       | ⊢        | ł |
|          | 184        | -                | -        | ├  | $\vdash$     | -  | -        | ⊢  | -  | -        | ł   |          | 234<br>235 | V         | ┼  | ╫        | -  | <del> </del> — | ⊢        | ł |
|          | 185<br>186 | ╫╴               | -        | ├  | ┢            |  | -        | ⊢  | -  | ⊢        | ł   |          | 236        | V         | ╁  | ┢        | ╁  |                | ┢        | ╁ |
| <u> </u> | 187        | 1                | ╁        | ₩  | -            | ├  |          | ├  |  | ├        | ł   |          | 237        | 1         | ╁  | ╁        | $\vdash$   | <del> </del>   | ⊢        | ╁ |
|          | 188        | ₩                | $\vdash$ | ⊢  | $\vdash$     | ┢  | ⊢        | ⊢  | ┢  | -        | 1   |          | 238        | V         | ╁  | ⊢        | $\vdash$   | +              | ⊢        | ╁ |
| -        | 189        | ╫╴               | -        | $\vdash$   | ├-           | -  | ⊢        | ├  | ┢  | ├        | 1   |          | 239        | Ť         | ╁  | ╁        | ┼─   |                | ╁        | t |
| $\vdash$ | 190        | ₩                | +        | ⊢  | ├-           | ╁┈   | ┝        | -  |  | -        | 1   |          | 240        | +         | ╁  | ╁        | ╁  | <del>  -</del> | ╁        | t |
| -        | 191        | #                | ╁        | ┼─   | -            | -  | ╁        | -  | ┢  | -        | 1   | _        | 241        | V         |  | $\vdash$ | -  | -              | ├-       | t |
|          | 192        | H-               | $\vdash$ | $\vdash$   |              |  | ┢        | $\vdash$   | $\vdash$   | ╁        | 1   |          | 242        |           | +  | $\vdash$ | 1  |                | H        | t |
| -        | 193        | #                | $\vdash$ | <del>                                     </del> | 1            | 1  |          |  | <del>                                     </del> | H        | 1   |          | 243        |           | 1  | 1        | 1  | T              | T        | t |
|          | 194        | 11               | $\vdash$ | 1  | 1            | _  | <b> </b> | 1  |  | H        | 1   |          | 244        | T         | 1  |          | 1  | 1              | $\vdash$ | † |
| 7.4      | 195        | 1                |          |  |              |  |          |  |  |          | 1   |          | 245        |           |  |          |  |                |          | † |
|          | 196        | 1                | $\vdash$ |  | 1            | 1  |          | $\vdash$   | T  | T        | 1   |          | 246        |           |  | 1        |  | T              | $\Box$   | t |
|          | 197        | 1                | $\vdash$ | $\vdash$   | 1            | $\vdash$   |          | $I^-$  |  | Τ        | 1   |          | 247        | 1         | 1  | 1        | 1  | 1              | T        | t |
|          | 198        | 1                |          |  |              | T  |          |  |  |          | 1   |          | 248        | Ι         |  |          | $\mathbb{L}^{-}$                                 |                |          | Ţ |
|          | 199        | Π                |          |  |              |  |          |  |  |          | ]   |          | 249        |           |  |          |  |                | $\Box$   | Ţ |
|          | 200        | _                |          |  |              |  |          |  |  |          | ]   |          | 250        |           |  |          |  |                |          | Ι |

| Claim |                   | Date         |  |              |          |  |               |             |              |          |  |
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| Final | Original          | 5/21/07      |  |              |          |  |               |             |              |          |  |
|       | 201               | H            |  |              | $\dashv$ |  | $\vdash$      | -           | -            | _        |  |
|       | 202               |              | =  | $\Box$       | $\neg$   |  | Н             | $\vdash$    |              |          |  |
| -     | 203               | Н            |  |              | $\vdash$ | _  | -             | $\dashv$    | $\dashv$     |          |  |
|       | 204               | Н            |  | $\dashv$     | $\vdash$ | $\vdash$   | $\vdash$      | $\dashv$    |              | _        |  |
|       | 205               | H            | _  | $\dashv$     | -        |  | -             |             | $\dashv$     | -        |  |
|       | 206               | Ш            |  |              | $\vdash$ | $\vdash$   |               | $\neg$      |              |          |  |
|       | 207               | H            |  |              |          |  |               | Н           | $\neg$       | _        |  |
|       | 208               | Н            |  | Н            |          |  | П             | $\Box$      | $\neg$       | _        |  |
|       | 209               | Н            |  | М            |          |  | М             | Н           |              |          |  |
|       | 210               | +            |  | Н            |          |  |               |             | $\neg$       |          |  |
|       | 210<br>211        | Ш            |  | П            |          |  | М             | $\neg \neg$ |              |          |  |
|       | 212               | 1            |  |              |          |  | П             |             |              |          |  |
|       | 213               | Ш            |  | $\vdash$     |          | <b>—</b>   |               | $\vdash$    |              | -        |  |
|       | 213<br>214        | T            |  | $\Box$       |          | Г  | П             | П           |              |          |  |
|       | 215               | Н            |  |              | -        | <b>—</b>   |               | М           |              |          |  |
|       | 216               | 1            |  |              |          |  |               |             |              |          |  |
|       | 216<br>217        | Н            | 一  | $\vdash$     | _        |  |               | $\vdash$    |              |          |  |
|       | 218               | 1            | <u> </u>   |              |          |  |               |             |              |          |  |
|       | 219               | 1            | _  |              |          |  |               | Н           | ·            |          |  |
|       | 220               | H            | $\vdash$   |              |          |  |               | М           |              |          |  |
|       | 221               | 1            |  |              |          |  |               |             |              |          |  |
|       | 222               |              | $\vdash$   |              |          |  |               |             |              |          |  |
|       | 221<br>222<br>223 | _            |  |              |          |  | П             |             |              |          |  |
|       | 224               | 1            |  |              |          | Π  |               |             |              |          |  |
|       | 225               | 1            |  |              |          | Г  |               |             |              |          |  |
|       | 226               | 1            |  |              |          |  |               |             |              |          |  |
|       | 227               | V            |  |              |          |  |               |             |              |          |  |
|       | 227<br>228        | V            |  |              |          |  |               |             |              |          |  |
|       | 229               | 1            |  |              |          |  |               |             |              |          |  |
|       | 230               | 1            |  |              |          |  |               |             |              |          |  |
|       | 231               | 1            |  | <u> </u>     | <u> </u> | <u> </u>   | <u></u>       | <u> </u>    |              |          |  |
|       | 232               | 1            |  |              |          |  |               |             |              |          |  |
|       | 233               | V            |  |              |          |  |               |             |              |          |  |
|       | 234               | 1            |  |              |          |  |               |             |              |          |  |
|       | 235               | 1            |  | <u>L</u>     |          |  | _             |             |              |          |  |
|       | 236               | 1            |  | _            |          | <u> </u>   | <u> </u>      | L           |              |          |  |
|       | 237               | 1            |  | _            | L        |  | <u> </u>      | L           | <u> </u>     |          |  |
|       | 238               | 1            | <u> </u>   | <u> </u>     | <u> </u> | L_   | <u></u>       | L           | _            | <u> </u> |  |
|       | 239               | 1            | <u> </u>   | <u> </u>     | _        | <u> </u>   | L             |             | _            |          |  |
|       | 240               |              | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>      | _           | _            | _        |  |
|       | 241               | 7            | $\vdash$   |              |          |  | $\vdash$      | <u> </u>    | <u> </u>     | -        |  |
| -     | 242               | 1            | $\vdash$   | -            | ├—       | <del> </del>                                     | <del> </del>  | <u> </u>    | $\vdash$     | $\vdash$ |  |
| -     | 243               | ├            | <u> </u>   | _            | -        | -  | <u> </u>      | -           | _            | <u> </u> |  |
| -     | 244               | _            |  |              |          |  |               |             | -            | -        |  |
|       | 245               |              |  | -            | -        | -  | -             | -           | $\vdash$     |          |  |
| -     | 246<br>247        | $\vdash$     |  | ├            | -        | -  | $\vdash$      | $\vdash$    | $\vdash$     | -        |  |
| -     | 248               | 1            | <del>                                     </del> | $\vdash$     | $\vdash$ | <del>                                     </del> | $\vdash$      |             | <del> </del> | -        |  |
|       | 249               | $\vdash$     | <del> </del>                                     | <del> </del> |          | $\vdash$   | $\vdash$      | ╀           | $\vdash$     | -        |  |
|       | 250               | <del> </del> | <del>                                     </del> | $\vdash$     | $\vdash$ | $t^-$  | $\vdash$      | $\vdash$    |              |          |  |

| Claim           |            | Date         |              |  |  |          |          |              |  |              |  |
|-----------------|------------|--------------|--------------|--|--|----------|----------|--------------|--|--------------|--|
|                 |            |              |              |  |  |          |          |              |  |              |  |
| a               | Original   |              |              |  |  |          |          |              |  |              |  |
| Final           | rig        |              |              |  |  |          |          |              |  |              |  |
|                 | 0          |              |              | İ  |  |          |          |              |  |              |  |
|                 | 251        |              |              |  |  |          | _        | _            | _  |              |  |
|                 | 252        |              |              |  |  | _        |          | _            | _  | _            |  |
|                 | 253        |              |              | _  |  |          |          |              | _  |              |  |
|                 | 253<br>254 |              |              |  | -                                      |          |          |              |  |              |  |
|                 | 255        | _            |              | _  |  |          |          |              |  | $\Box$       |  |
|                 | 256        |              |              |  |  | _        | _        |              |  |              |  |
|                 | 257        |              | -            |  |  |          |          |              | -  |              |  |
|                 | 258        | _            |              |  |  |          |          |              |  |              |  |
|                 | 259        |              |              | _  |  | _        |          |              |  | П            |  |
|                 | 260        | -            |              | -  | _                                      |          |          |              |  | П            |  |
|                 | 261        |              |              | <u> </u>   | _                                      | _        | _        |              | _  | Н            |  |
| <u> </u>        | 262        |              | -            | $\vdash$   | $\vdash$                               | H        |          |              | $\vdash$   | Н            |  |
| <b>-</b>        | 263        | Н            | _            | <del>                                     </del> |  |          | _        |              | $\vdash$   | Н            |  |
| <b></b>         | 264        | -            | _            | $\vdash$   | $\vdash$                               | $\vdash$ | $\vdash$ | _            | <del>                                     </del> | $\vdash$     |  |
| <u> </u>        | 264<br>265 | _            | ┢            | <del>                                     </del> |  | $\vdash$ | Н        |              |  | Н            |  |
| $\vdash \vdash$ | 266        | <del> </del> | -            | <del>  -</del>                                   | $\vdash$                               | $\vdash$ | $\vdash$ | _            | $\vdash$   | Н            |  |
| <u> </u>        | 267        | <del> </del> | <del> </del> | <del>  -</del>                                   | -                                      | $\vdash$ | $\vdash$ | _            | $\vdash$   | $\vdash$     |  |
|                 | 268        | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$                               | $\vdash$ |          |              | -  | -            |  |
| ├ <del></del>   | 269        |              | $\vdash$     |  | -                                      | -        |          | $\vdash$     |  | H            |  |
| <u> </u>        | 270        | $\vdash$     | ├            | -  |  | -        |          | ⊢            | ├  | $\vdash$     |  |
| <del></del>     | 270<br>271 | -            | -            | $\vdash$   |  | $\vdash$ | ┝        | $\vdash$     | -  |              |  |
|                 | 272        | $\vdash$     | $\vdash$     | ⊢  | -                                      | -        | _        | -            |  | -            |  |
| <del></del>     | 272        | -            | $\vdash$     | -  |  | ⊢        | -        | ┝            | -  | H            |  |
| -               | 273<br>274 | ├            | ├-           | ├  |  | ┢        | -        | ├            | ├  | $\vdash$     |  |
| -               | 275        | -            | -            | <del> </del>                                     |  | ┝        | -        | ├            | -  | -            |  |
| <u> </u>        | 275        |              | -            | -  | -                                      | -        | _        | -            | -  |              |  |
| <b></b>         | 276<br>277 | -            | -            |  | ╀                                      | ├        |          |              | $\vdash$   | $\vdash$     |  |
|                 | 270        | -            | -            | $\vdash$   | ⊢                                      | ⊢        | ⊢        | ┝            |  |              |  |
|                 | 278<br>279 | ┢            | -            | ├-   | ├                                      |          | -        |              | <del> </del>                                     | -            |  |
|                 | 280        | -            | -            | -  | ⊢                                      | $\vdash$ | ⊢        | <u> </u>     |  | -            |  |
|                 | 200        | ┝            | -            | ├  | ⊢                                      | ⊢        | ⊢        | -            | -  |              |  |
|                 | 281<br>282 | ⊢            | -            | <u> </u>   | ⊢                                      | ├        |          |              |  | H            |  |
|                 |            | <del> </del> |              | -  | <del> </del>                           | -        | ⊢        | _            | <del> </del>                                     |              |  |
|                 | 283<br>284 | -            | $\vdash$     | ├  | ⊢                                      | $\vdash$ | $\vdash$ |              | ├  | -            |  |
| <u> </u>        | 285        |              | <del> </del> | ├─   | ⊢                                      | ├─       | ├—       | -            | -  | ⊢            |  |
|                 | 286        | ├            | <del> </del> | ├  | ⊢                                      | ⊢        | $\vdash$ |              | ⊢  | -            |  |
|                 | 200        | _            | ├            | -  | -                                      | -        | -        | -            | <del> </del>                                     | -            |  |
| <b> </b>        | 287<br>288 | ⊢            | ⊢            | $\vdash$   |  | $\vdash$ | -        | -            | ⊢  | <u> </u>     |  |
| <u> </u>        | 200        | $\vdash$     | -            | -  | ├                                      | ├        |          | _            | -  |              |  |
| <b></b>         | 289<br>290 | -            | -            | -  | $\vdash$                               | -        | 1—       | <del> </del> | $\vdash$   | <del> </del> |  |
| <u> </u>        |            | -            | <del> </del> | -  | -                                      | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$     |  |
| ļ               | 291<br>292 | ├-           | $\vdash$     | $\vdash$   | <del> </del>                           | ├        | ├        |              | -  | -            |  |
| $\vdash$        | 292        | $\vdash$     | -            | <del>  -</del>                                   | -                                      |          | -        | -            | -  | $\vdash$     |  |
| <u> </u>        | 293        |              | -            | -  |  | $\vdash$ | $\vdash$ | $\vdash$     |  | -            |  |
|                 |            |              |              |  |  |          |          |              | -  | -            |  |
| $\vdash$        | 295<br>296 | -            | -            | 1  | -                                      | -        | -        |              | $\vdash$   | $\vdash$     |  |
| $\vdash$        | 296        |              | +            | $\vdash$   | ⊢                                      | ┢        | $\vdash$ | $\vdash$     | $\vdash$   | -            |  |
| ⊢               | 297        | -            | -            | +  | <u> </u>                               | ⊢        | 1        | H            | $\vdash$   | <del> </del> |  |
| <del></del>     | 299        | $\vdash$     | $\vdash$     | ⊢  | ┢                                      | $\vdash$ | $\vdash$ | <del> </del> | ┼  | <del> </del> |  |
| -               | 300        | ╁            | ├-           | ├-   | ├                                      | $\vdash$ | 1        | ⊢            | $\vdash$   | $\vdash$     |  |
| L               | 1 200      | 1            | <u> </u>     | <u></u>  | ــــــــــــــــــــــــــــــــــــــ | <u> </u> | L        | L            | l  | <u> </u>     |  |